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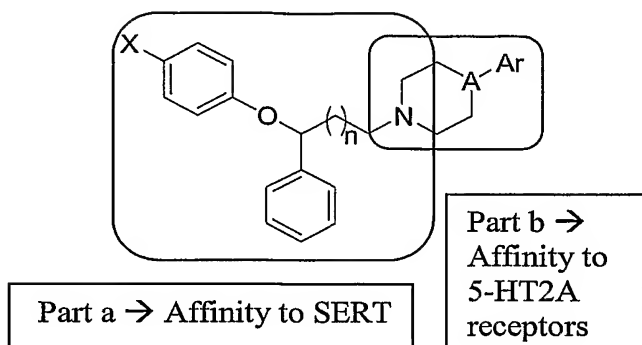
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(54) Title: SEROTONIN REUPTAKE INHIBITORS



X = F or CF₃

n = 0 or 1 (ethyl or propyl chain)

A = N or C (piperazine or piperidine)

Ar = variety of aryl derivatives

(57) Abstract: A serotonin reuptake inhibitor which can be used in the treatment of depression and which has a decreased occurrence of unwanted side effects. The serotonin reuptake inhibitors are bi-functional organic molecules which combine serotonin transporter reuptake inhibition with serotonin (5-HT, such as 5-HT_{2A}) receptor antagonism in one molecular entity. The serotonin-selective reuptake inhibitor (SSRI) homologue portion of the molecule shows an affinity to the serotonin reuptake transporter (SERT) and has antidepressant properties. The piperidine or piperazine portion of the molecule demonstrates an affinity to 5-HT receptors and restores the undesired side effects of SSRIs.

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